

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (previously presented) A method of organizing data prior to storing the data, said method comprising:

accessing configuration information associated with the data to be stored, said configuration information including at least one expression;

receiving the data including at least one condition associated therewith, said condition affecting storage of the received data;

evaluating the expression based on the condition associated with the received data; and

storing the received data in accordance with the expression evaluated based on the condition associated with the received data.

Claim 2. (original) The method of claim 1, further comprising formatting the data in accordance with the accessed configuration information prior to storing the data.

Claim 3. (previously presented) The method of claim 1, wherein receiving the data comprises receiving clickstream web data and the condition associated therewith from a web server, and further comprising dividing the received clickstream web data into a plurality of portions based on the expression evaluated based on the received condition.

Claim 4. (previously presented) The method of claim 1, wherein the expression specifies one or more operations for organizing the received data, and wherein storing the received data comprises storing a portion of the received data in accordance with the evaluated expression.

Claim 5. (original) The method of claim 1, further comprising receiving the configuration information from a user.

Claim 6. (original) The method of claim 1, wherein accessing the configuration information comprises reading configuration information from a central hierarchical database.

Claim 7. (original) The method of claim 1, further comprising maintaining a history of evaluated expressions to track a sequence of the evaluated expressions.

Claim 8. (original) The method of claim 7, wherein the data is received from a computing device, and wherein maintaining the history comprises storing a cookie associated with the computing device, said cookie including the sequence of the evaluated expressions.

Claim 9. (original) The method of claim 1, wherein evaluating the expression comprises recursively evaluating portions of the expression using the condition.

Claim 10. (original) The method of claim 1, wherein the data is received from a computing device and further comprising:

authenticating the computing device; and
opening a plurality of files to store the received data.

Claim 11. (original) The method of claim 1, wherein storing the received data comprises:
preparing column data responsive to the received data and the evaluated expression; and
storing the prepared column data in a file.

Claim 12. (original) The method of claim 1, wherein evaluating the expression comprises:
forwarding the received data to a filter component to evaluate the expression using the condition; and
receiving the evaluated expression from the filter component.

Claim 13. (original) The method of claim 1, further comprising sampling the received data prior to storing the received data.

Claim 14. (original) The method of claim 1, wherein said receiving the data and said evaluating the expression occur in real-time.

Claim 15. (original) One or more computer-readable media having computer-executable instructions for performing the method recited in claim 1.

Claim 16. (previously presented) One or more computer-readable media having computer-executable components for filtering data prior to storing the data, said components comprising:

 a configuration component to access configuration information associated with the data to be stored, said configuration information including at least one expression;

 an interface component to receive data including at least one condition, said condition being associated with the data and affecting storage thereof;

 an expression component to evaluate the expression accessed by the configuration component based on the condition received by the interface component; and

 a storage component to store the data received by the interface component in accordance with the expression evaluated by the expression component.

Claim 17. (original) The computer-readable media of claim 16, wherein the configuration component, when executed, creates structured data with enumerated values associated therewith based on the received configuration information.

Claim 18. (original) The computer-readable media of claim 16, further comprising a helper component to parse the data received by the interface component for use by the expression component.

Claim 19. (original) The computer-readable media of claim 16, further comprising an authentication component to obtain user information associated with the data received by the interface component.

Claim 20. (original) The computer-readable media of claim 16, further comprising a scheduling component to create a file for use by the storage component to store the received data.

Claim 21. (previously presented) A system for organizing data prior to storing the data, said system comprising:

a memory area to store configuration information associated with the data to be stored, said configuration information including at least one expression;

a computing device to process the data, said data including at least one condition associated therewith, said condition affecting storage of the data; and

a computer-readable medium storing computer-executable instructions to be executed on the computing device to evaluate the expression based on the condition associated with the data and to store the received data in accordance with the evaluated expression

Claim 22. (original) The system of claim 21, further comprising a web server to generate the data.

Claim 23. (original) The system of claim 22, further comprising another computing device to receive the data from the web server.

Claim 24. (original) The system of claim 21, further comprising another memory area to store the data in a plurality of files in accordance with the configuration information.

Claim 25. (original) The system of claim 21, wherein the computer-readable medium stores computer-executable instructions to be executed on the computing device in real-time to receive the data and to filter the received data prior to storage of the data by evaluating the expression using the received data.

Claim 26. (previously presented) A method for tracking user behavior, said method comprising:

accessing configuration information including at least one expression defining a specific user navigation path;

receiving, from a computing device, clickstream data including at least one condition, said condition being associated with the clickstream data and affecting storage thereof;

analyzing the clickstream data by evaluating the expression using the condition to determine a relationship between the user navigation path and the clickstream data; and

storing the clickstream data in accordance with the determined relationship.

Claim 27. (original) The method of claim 26, wherein storing the clickstream data comprises storing a cookie associated with the computing device in accordance with the evaluated expression.

Claim 28. (original) The method of claim 26, further comprising formatting the clickstream data in accordance with the accessed configuration information.

Claim 29. (original) The method of claim 28, wherein formatting the clickstream data comprises separating the clickstream data into columns.

Claim 30. (original) The method of claim 26, wherein storing the clickstream data comprises maintaining a sequence of evaluated expressions to track user navigational behavior.

Claim 31. (original) The method of claim 26, wherein analyzing the received clickstream data comprises:

forwarding the received clickstream data to a filter component to evaluate the expression using the condition; and

receiving the evaluated expression from the filter component.

Claim 32. (original) The method of claim 26, further comprising sampling the received clickstream data prior to storing the clickstream data.

Claim 33. (original) The method of claim 26, wherein said receiving the clickstream data and said analyzing the received clickstream data occur in real-time.

Claim 34. (original) One or more computer-readable media having computer-executable instructions for performing the method recited in claim 26.